AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

- 1. 10. (cancelled)
- 11. (Previously amended) A mutant lipase protein of *Candida antarctica* lipase B represented by SEQ.ID. No 14, wherein the #219 leucine is replaced by a hydrophilic amino acid selected from a group consisting of glutamine, histidine, arginine, lysine, serine, threonine, aspartic acid and glutamic acid.
- 12. (Original) The mutant lipase protein as set forth in claim 11, wherein the #219 leucine is replaced by glutamine, and its amino acid sequence is represented by SEQ. ID. No 11.
 - 13. (Canceled)
- 14. (Previously amended) A mutant lipase protein of *Candida antarctica* lipase B represented by SEQ.ID. No 14, wherein the #278 leucine is replaced by proline, and its amino acid sequence is represented by SEQ. ID. No 9.

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15. (Previously amended) A mutant lipase protein of *Candida antarctica* lipase B represented by SEQ.ID. No 14, wherein the #219 leucine is replaced by glutamine, and the #278 leucine is replaced by proline, and its amino acid sequence is represented by SEQ. ID. No 10.

- 16. (Previously amended) A polynucleotide encoding the mutant lipase protein of claim 11.
- 17. (Previously amended) The polynucleotide as set forth in claim 16, wherein the nucleotide sequence is represented by SEQ. ID. No 8.
- 18. (Previously amended) A polynucleotide encoding the mutant lipase protein of claim 14.
- 19. (Previously amended) A polynucleotide, comprising a base sequence represented by SEQ. ID. No 7 coding the mutant lipase protein of claim 15.
- 20. (Previously amended) An expression vector comprising the polynucleotide of claim 16.

- 21. (Previously amended) The expression vector as set forth in claim 20, wherein the vector comprises a promoter gene, a secretion signal sequence gene, a polynucleotide of SEQ. ID. No. 8, a terminator gene and/or a surface display-mediating gene.
- 22. (Previously amended) An expression vector comprising the polynucleotide of claim 18.
- 23. (Previously amended) An expression vector comprising the polynucleotide of claim 19.

24. - 26. (Canceled)

- 27. (Original) A transformant in which the expression vector of claim 20 is introduced.
- 28. (Previously amended) A transformant in which the expression vector of claim 22 is introduced.
- 29. (Previously amended) A transformant in which the expression vector of claim 23 is introduced.

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30. (Currently amended) A method for producing the mutant lipase protein of

claim 11, comprising cultivation of the transformant of claim 27 cultivating the

transformant in which an expression vector comprising a polynucleotide encoding a

mutant lipase protein is introduced, said mutant lipase protein being represented by

SEQ ID. No. 14 where the #219 leucine is replaced by a hydrophilic amino acid selected

from a group consisting of glutamine, histidine, arginine, lysine, serine, threonine,

aspartic acid and glutamic acid.

31. (Currently amended) A method for producing the mutant lipase protein of

claim 14, comprising cultivating the transformant of claim 28 in which an expression

vector comprising a polynucleotide encoding a mutant lipase protein represented by

SEQ ID. No. 9 is introduced.

32. (Currently amended) A method for producing the mutant lipase protein of

claim 15 comprising cultivating the transformant of claim 29 in which an expression

vector comprising a polynucleotide encoding a mutant lipase protein represented by

SEQ ID. No. 10 is introduced.

33. (Previously amended) The method as set forth in any of claims 30 - 32.

wherein the culture temperature is 2°C - 20°C lower than temperature of host cell

culture.

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34. (Previously presented) The method as set forth in any of claims 30 - 32, wherein the culture temperature is 25°C - 35°C and the transformant is *Hansenula*.

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35. (Previously presented) The method as set forth in any of claims 30 - 32, wherein the culture temperature is 20°C - 28°C and the transformant is *Saccharomyces*.